



The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK  
GOVERNOR

TIMOTHY P. MURRAY  
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD  
SECRETARY

JOHN AUERBACH  
COMMISSIONER

09/23/2011

Erik Bennett  
Assistant District Attorney, Suffolk County

Dear ADA Bennett,

Enclosed is the information you requested in regards to Commonwealth vs. [REDACTED] Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Peter Piro.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples# [REDACTED]

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Peter Piro was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,

A handwritten signature in black ink, appearing to read 'Annie Dookhan'.

Annie Dookhan  
Chemist II  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6622

## Curriculum Vitae

**Annie Khan (Dookhan)**

### Education:

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.

University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

### Experience:

2003 – present

Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

\*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.

\*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.

\*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.

\*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.

\*Maintenance and repairs of all analytical instruments.

\*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.

\*Responsible for the Quality Control/Quality Assurance program for the drug lab.

\*Notary Public.

\*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

\*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.

\*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.

\*Writing, revising and reviewing Standard Operating Procedures (SOPs).

\*Trained and supervised new chemists and interns for the department.

\*Routine QC testing of products for the FDA.

\*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.

\*Calibration, preventive maintenance, QC and QA of analytical instrumentation.

\*Complete testing of chemicals for Vendor Validation Project for the FDA.

\*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

### Additional Training:

Dept. of Justice – Forensics Professionals. (numerous trainings)

GLP/GMP course with Massachusetts Biologic Laboratory.

QC/QA training according to FDA Codes and Regulations.

GC and GC/MS courses with Agilent Technologies and Restek.

HPLC course with Waters Cooperation.

FTIR course with Spectros.

TOC training with MBL and Sievers.

### Association:

American Chemical Society (ACS)

Northeastern Association of Forensics Science (NEAFS)

## Curriculum Vitae

Peter Piro

### EDUCATION

Boston University

B.A. in Chemistry and Minor in Biology, 1989

### HONORS

Magna Cum Laude, 3.6 GPA

Graduated with Distinction in Chemistry

Valedictorian of the Chemistry Department

### EXPERIENCE

#### Department of Public Health/State Laboratory Institute

Chemist III, II, I/ Assistant Analyst

December 1991-Present

Supervise the operation and maintenance of the Gas Chromatography/Mass Spectrometry Laboratory. Analyze controlled substances for State and Federal law enforcement agencies. Qualified as an expert witness in Massachusetts courts and U.S. District Court.

#### Massachusetts Health Research Institute

Laboratory Technician

September 1990-December 1991

Researched the seasonal and special occurrences of DSP and PSP in shellfish samples harvested from coastal waters and Georges Bank.

### TRAINING AND ORGANIZATIONS

- \* Completed a six-week training course by senior staff within the Department of Public Health Drug Analysis laboratory.
- \* Appointed Assistant Analyst by the Assistant Commissioner of Public Health in February 1991.
- \* Elected as a Regular Member to the Northeastern Association of Forensic Chemists on October 27<sup>th</sup> 1995.
- \* Completed training in Mass Spectrometry given by the Food and Drug Administration/Forensic Chemistry Center on November 2002.
- \* Completed training in Mass Spectrometry Troubleshooting and Maintenance, October 25<sup>th</sup> 2002, at Agilent Technologies.
- \* Notary Public since 1993.

**DRUG RECEIPT**

CC #

BOOK # 30

PAGE # 195

DESTRUCTION #

District/Unit

DLU A7

Name &amp; Rank of Arresting Officer

FONTANA

ID#

9282

DEFENDANT'S NAME

ADDRESS

CITY

STATE

CHELSEA

MA

SALON

MA

EVERETT

MA

DESCRIPTION OF ITEMS SUBMITTED

GROSS  
QUANTITYGROSS  
WEIGHT

LAB USE ONLY

ANALYSIS  
NUMBER

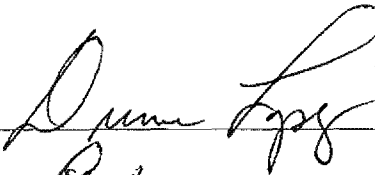
CRACK COCAINE

6 P/B<sup>s</sup>

2.52g

To be completed by ECU personnel only

Name and Rank of Submitting Officer



ID#

870

Received by



Date

3-9-11

ECU Control #

No. [REDACTED]  
City: Boston D.C.U. Police Dept.  
Officer: P.O. Diana Lopez  
Def: [REDACTED]

Date Analyzed:

3-21-11

Amount:

Subst: SUB

No. Cont: 6 Cont: pb

Date Rec'd: 03/09/2011

No. Analyzed: 1

Gross Wt.: 2.52

Net Weight: 0.15

# Tests: 6 ASD

2 P.P.10

Prelim: cocaine (C)

Findings: COCAINE

# DRUG POWDER ANALYSIS FORM

SAMPLE #                      AGENCY Boston ANALYST ASD

No. of samples tested:            Evidence Wt.           

## PHYSICAL DESCRIPTION:

off white chunky substance  
in 6 pbs

Gross Wt ( 6 ): 1.1356

Gross Wt ( 1 ): 0.2128

Pkg. Wt:           

Net Wt: 0.1582

## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate ( - ) +

Marquis -

Froehde's -

Mecke's -

### Microcrystalline Tests

Gold  
Chloride +

TLTA ( - ) +

### OTHER TESTS

## PRELIMINARY TEST RESULTS

RESULTS cocaine

DATE 3-18-11

## GC/MS CONFIRMATORY TEST

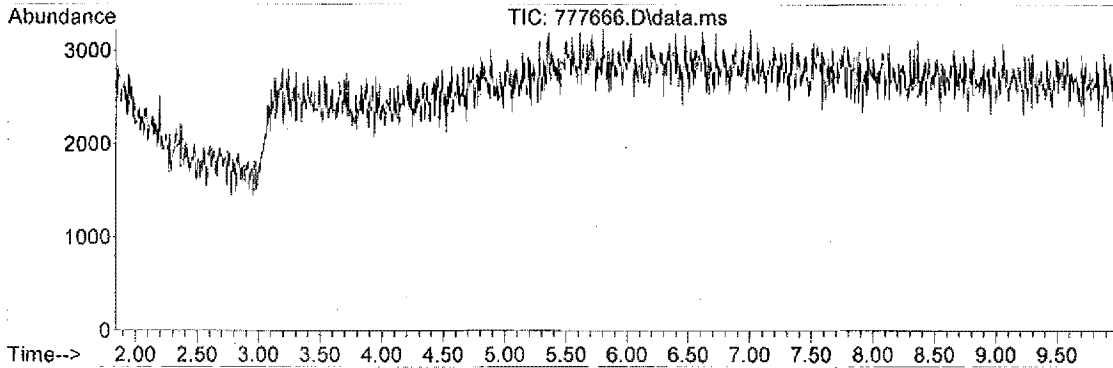
RESULTS cocaine

MS  
OPERATOR RJD

DATE 3-21-11

## Information from Data File:

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Operator : ASD  
Date Acquired : 20 Mar 2011 4:30  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

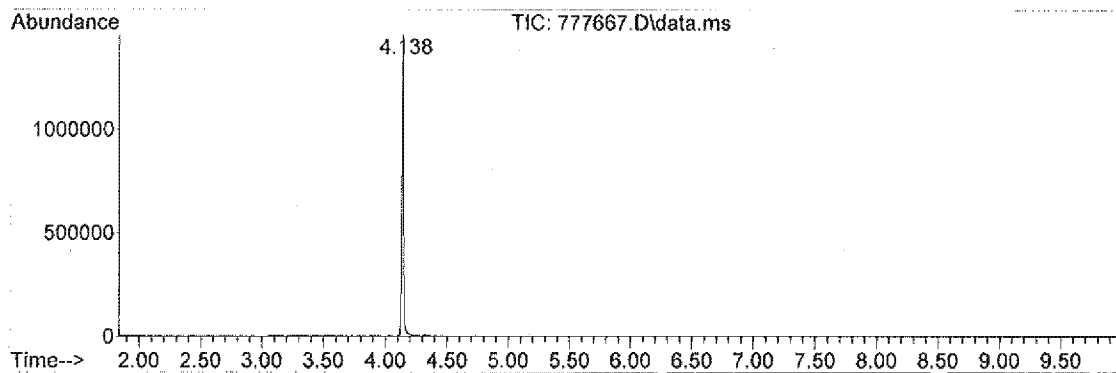


| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03\_19\_11\777667.D  
Operator : ASD  
Date Acquired : 20 Mar 2011 4:43  
Sample Name : COCAINE STD  
Submitted by : ASD  
Vial Number : 27  
AcquisitionMeth: DRUGS.M  
Integrator : RTE



| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

|       |         |        |        |
|-------|---------|--------|--------|
| 4.138 | 1389589 | 100.00 | 100.00 |
|-------|---------|--------|--------|

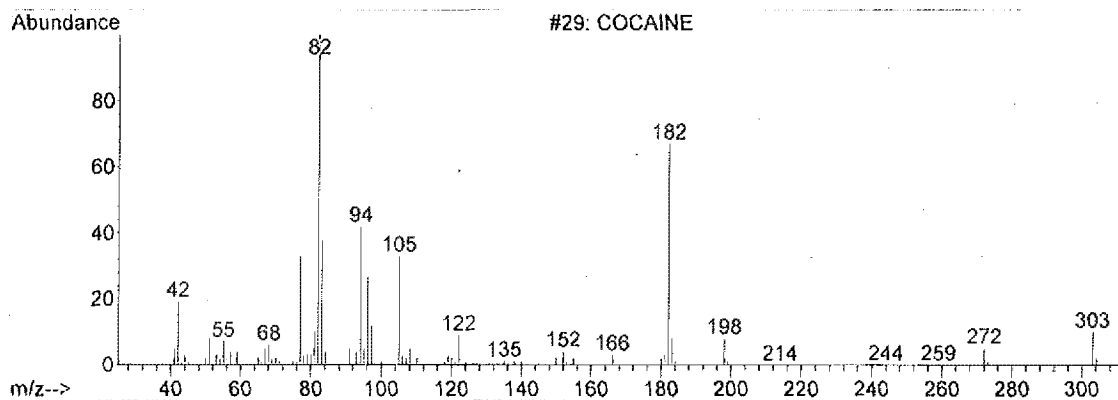
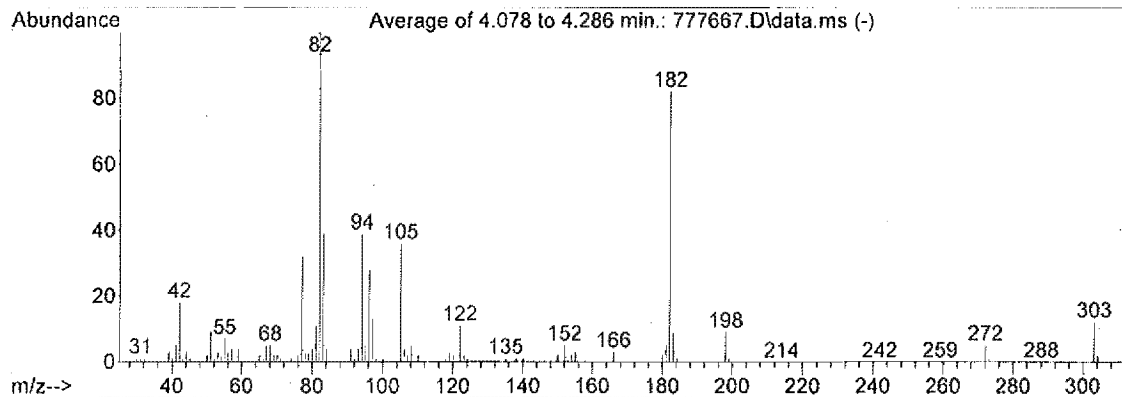


## Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03\_19\_11\777667.D  
Operator : ASD  
Date Acquired : 20 Mar 2011 4:43  
Sample Name : COCAINE STD  
Submitted by : ASD  
Vial Number : 27  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

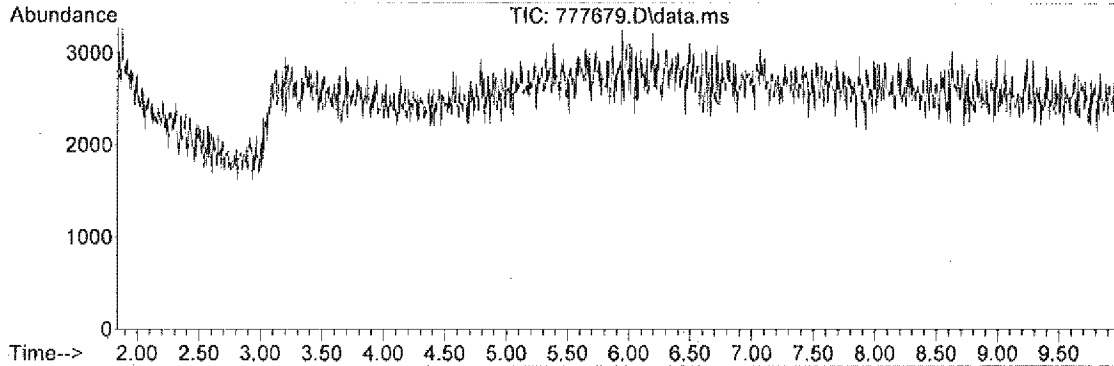
Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

| PK# | RT   | Library/ID                   | CAS#        | Qual |
|-----|------|------------------------------|-------------|------|
| 1   | 4.14 | C:\Database\SLI.L<br>COCAINE | 000050-36-2 | 99   |



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File Name : C:\msdchem\1\data\SYSTEM6\03\_19\_11\777679.D  
Operator : ASD  
Date Acquired : 20 Mar 2011 7:21  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

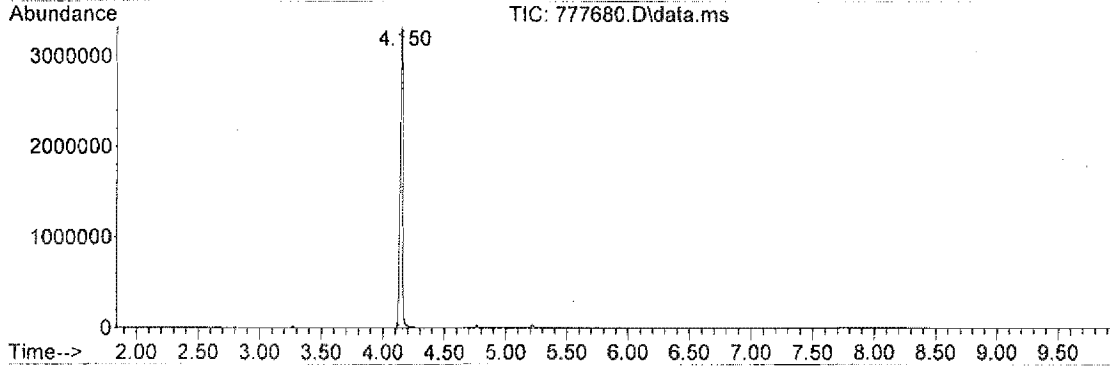


| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

\*\*\*NO INTEGRATED PEAKS\*\*\*

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03\_19\_11\777680.D  
 Operator : ASD  
 Date Acquired : 20 Mar 2011 7:34  
 Sample Name : XXXXXXXXXX  
 Submitted by : ASD  
 Vial Number : 80  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE



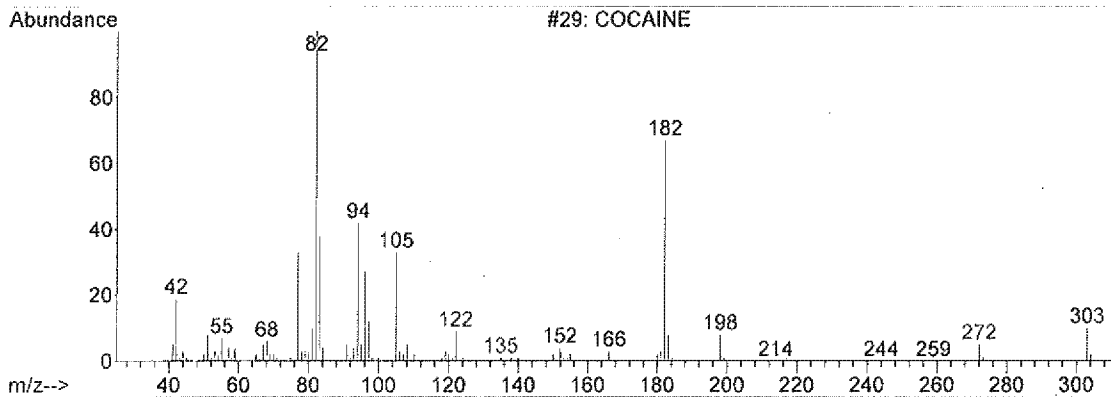
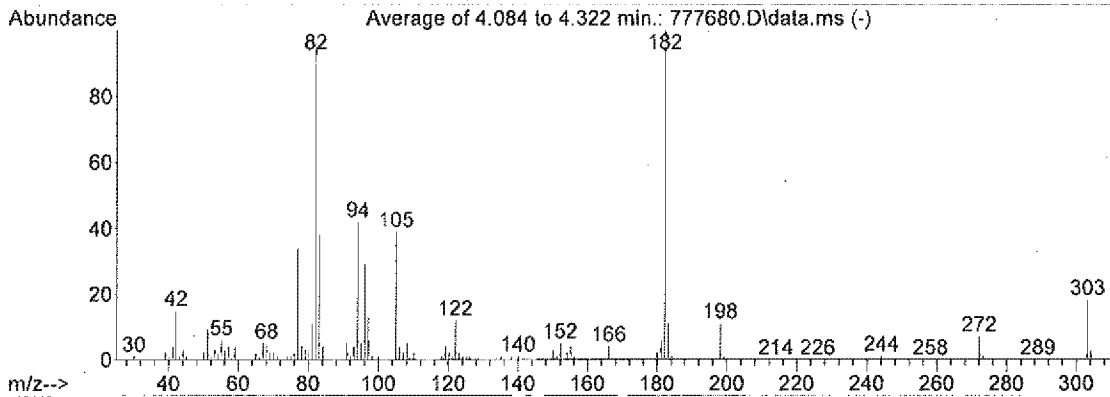
| Ret. Time | Area    | Area % | Ratio % |
|-----------|---------|--------|---------|
| 4.150     | 4924102 | 100.00 | 100.00  |

## Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03\_19\_11\777680.D  
Operator : ASD  
Date Acquired : 20 Mar 2011 7:34  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 80  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

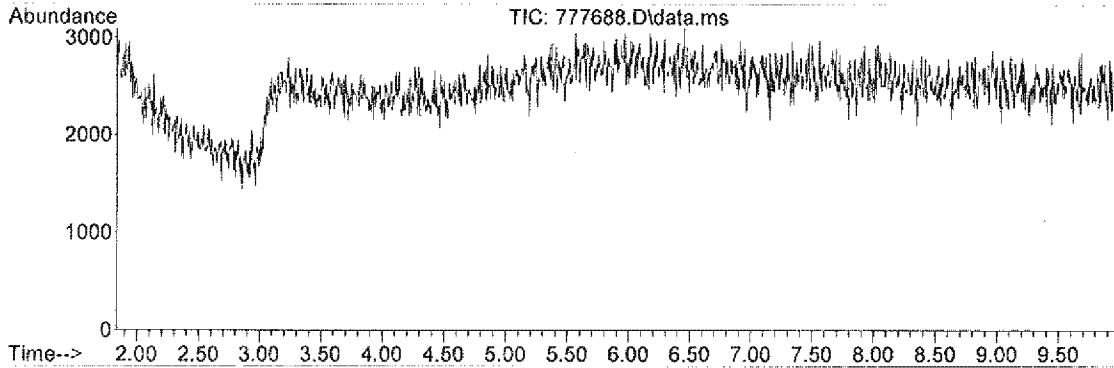
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C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

| PK# | RT   | Library/ID                   | CAS#        | Qual |
|-----|------|------------------------------|-------------|------|
| 1   | 4.15 | C:\Database\SLI.L<br>COCAINE | 000050-36-2 | 99   |



## Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03\_19\_11\777688.D  
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Date Acquired : 20 Mar 2011 9:19  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 2  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

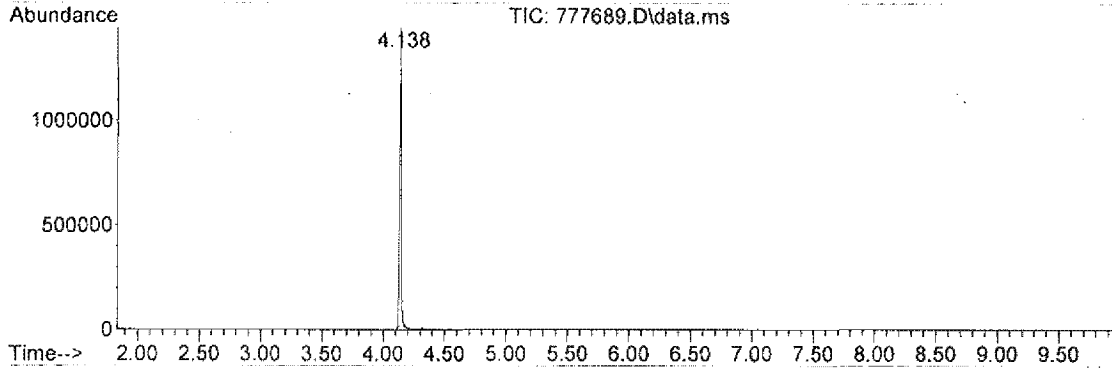


| Ret. Time | Area | Area % | Ratio % |
|-----------|------|--------|---------|
|-----------|------|--------|---------|

\*\*\*NO INTEGRATED PEAKS\*\*\*

Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03\_19\_11\777689.D  
 Operator : ASD  
 Date Acquired : 20 Mar 2011 9:32  
 Sample Name : COCAINE STD  
 Submitted by : ASD  
 Vial Number : 27  
 AcquisitionMeth: DRUGS.M  
 Integrator : RTE



| Ret. Time | Area    | Area % | Ratio % |
|-----------|---------|--------|---------|
| 4.138     | 1409541 | 100.00 | 100.00  |

## Information from Data File:

File Name : C:\msdchem\1\data\SYSTEM6\03\_19\_11\777689.D  
Operator : ASD  
Date Acquired : 20 Mar 2011 9:32  
Sample Name : COCAINE STD  
Submitted by : ASD  
Vial Number : 27  
AcquisitionMeth: DRUGS.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

| PK# | RT   | Library/ID                   | CAS#        | Qual |
|-----|------|------------------------------|-------------|------|
| 1   | 4.14 | C:\Database\SLI.L<br>COCAINE | 000050-36-2 | 99   |

